Specialty Instruments

Eagle Camera System . . . . . .42 - 43
Eagle Shaft Monitors. 44
Stemco Hubodometers 44
Micro-Trak Monitoring Systems 45
Davis Weather Stations. 46
Garmin GPS 47
24V - 12V Converters 48
GPI Pumps. 48

Eagle Camera System |

Why choose Eagle over the competition.....

It's the price!

The weatherproof, infrared camera is the heart of the Eagle camera system. Its heavy-duty industrial design is perfect for mounting on heavy equipment. Not only is the Eagle camera waterproof, but it is also dust resistant. This makes it the ideal choice for construction and agricultural. Just install the camera and 9" monitor on your equipment, and you have a rear-view camera system that has a monitor large enough to accommodate detail. This makes backing up large equipment a breeze and lining up a hitch, a one-man job. Install it in a bin or hopper, and you can see at a glance when tanks are empty or full. If the articulation on your equipment is such that gauges and meters cannot be viewed from the driver's seat, just point a camera and view their readings on the monitor.

A ring of infrared night-vision emitters light a path that gives excellent visibility in the dark, comparable to that used in the military. The camera comes with 60' of cable, and a magnetic mount with a 20 lb. pull allowing you to easily move the camera from one location to another. Extensions may be added at anytime for a maximum of 160'. Make installation even easier by adding a wireless transmitter that will send a signal up to 500 meters. This camera is not limited to use with the 9" monitor; it can be plugged into any TV set in your home or shop. Move the camera from your equipment when not in use, and monitor activity in your yard, see who's at your back door or near expensive equipment or petroleum products.

The 9" monitor has two video inputs so you can view up to two cameras at a time. Add a DVR recorder, and you can instantly observe up to four cameras in a quadrant display and record activity when no one is around. The 80GB hard drive allows up to 4 months of recording before recycling. It is the affordable solution to your surveillance needs.

Weatherproof Night-Vision Camera |

Specifications:

- Based on the Sony 1/3" HAD CCD sensor color camera
- Furnished with a standard mounting bracket and magnetic base
- Employs Digital Signal Processor (DSP) IC for image control
- Total pixels of sensor: NTSC = 270K pixels
- High sensitivity, low smear, excellent anti-blooming, and high S/N ratio
- DC type power, low power consumption
- Built-in infrared illuminant to assist in low illumination environments
- Plug & Play. Installs easily and is suitable DIY (Do It Yourself)
- Waterproofing metal body, IP67

Includes 60' cable and magnetic mount.

Order No.	Description	Price
E91130	Camera with 60' cable	$399.95

Rear-View Camera System |

Includes camera and 9" monitor.

Order No.	Description	Price
E91145	Rear-View Camera System	$849.95

9" Color LCD Monitor & TV |

Specifications:

- Wide range high-resolution 337K pixels
- Color system
- Dual camera inputs
- Auto search, remote control

Includes: Remote control, AV cables, AC adapter, 12V vehicle power cable, and automotive mounting bracket.

Order No.	Description	Price
E91135	9" Color Monitor	$475.95
E91155	AC Power Adapter	$ 14.95

Eagle Camera System

DVR 4 Channel Recorder

Capability to monitor and record from 4 cameras, simultaneously NO switch or multiplexer required.

Use existing TV as monitor! (Just plug DVR into "Video In" interface.)

Connect up to 4 or your existing motion sensors to this DVR for sensor-controlled recording.

Specifications:

- Digital video recorder
- 80GB hard disk drive records up to 4 months before recycling
- Watch and record from 4 cameras, simultaneously. No switch or multiplexer required.
- Superior picture quality (in view and record modes)
- Quad display management is built into the DVR
- Plug-and-play installation
- Simultaneous, real-time digital recording from up to 4 cameras
- Connect to any TV, no special monitor required
- Unattended operation
- Camera Inputs - 4
- Video Outputs – 2
- Sensor Inputs – 4
- Alarm Output – 1

Order No.	Description	Price
E91140	DVR 4 Channel Camera Recorder	$695.95

DVR 4-Camera Video Surveillance System

Order No.	Description	Price
E91150	Camera Video Surveillance System Includes DVR 4 channel camera recorder, 4 cameras, and 4 AC adapters.	$1,995.95

Wireless Transmitter/Receiver

An optional wireless transmitter/receiver may be added to each camera to transmit an image up to 500 meters. Includes transmitter/receiver pair, 5 db antenna, and A/C power adapter.

Order No.	Description	Price
E91556	Wireless Transmitter/Receiver	$239.95

Custom-Built Shaft Monitors.
We can create a wide variety of shaft alarm systems with options that may include relay outputs to activate lights, horns, or shutdowns with a pre-set trip point. Call 1-800-667-8001 for assistance.

Eagle Shaft Monitors

Adjustable Shaft Monitor

Single Channel

Has an audible alarm which sounds when rpm drops below a given set point, turns off when speed increases above a set point. Alarm operates on underspeed condition only. Ideal for use on all types of rotating shafts, pulleys, hubs, etc. Includes sensor and two rotating targets for balance. Can be used whenever it is important to know when a shaft stops or slows down. Wiring not included. 18 gauge wire recommended.

Order No.	Description	Price
E23900	Adjustable: 125-5000 rpm	$179.95
E15770	Replacement Sensor	$ 59.95
E15720	Replacement Magnet Kit	$ 29.95

Hubodometers/Acre Meters are indispensable tool for counting acres, scheduling maintenance, determining lease charges, validating guarantees, and calculating costs.

Slow Speed Shaft Monitor - Single Channel

Monitor senses speeds that drop below 10 rpm. Suitable for slow rotating shafts such as drills. Includes monitor with audible alarm, sensor, and target. Two wires (not supplied) are needed to connect the monitor and sensor. 18 gauge wire recommended.

Order No.	Description	Price
E23200	Single Shaft Monitor Kit	$159.95
E11530	Replacement Sensor	$ 49.95
E11130	Replacement Target	$ 4.95

Slow Speed Shaft Monitor - Dual Channel

This dual channel monitor has an audible alarm which sounds when shaft speed drops below 10 rpm. No need to continually watch your monitor. Individual lights flash with shaft rotation. Great for drills, discers, seed cleaning plants, etc. Includes 2 shaft sensors, 2 targets, and monitor. Two wires (not supplied) are needed to connect the monitor to each sensor. 18 gauge wire recommended.

Order No.	Description	Price
E23220	Dual Shaft Monitor Kit	$229.95
E11530	Replacement Sensor	$ 49.95
E11130	Replacement Target	$ 4.95

Hubodometer/Acre Meter

Electronic Hub Acre Meter

- ✓ With more than a million miles of testing, the DataTrac shows unparalleled accuracy.
- ✓ Life-time warranty on battery.
- ✓ Exceptional accuracy as there are no moving parts.

Mechanical Hub Acre Meter

- ✓ Rugged construction—Naval brass on steel
- ✓ Sealed for added durability
- ✓ Superior design guarantees ±2% accuracy

Order Information:

1. Specify tire make, model, size, and implement width, or
2. Rotate tire 10 revolutions and measure distance, and implement width, or
3. Provide the number of rotations a shaft makes per acre if the unit is to be mounted on a shaft.

Order No.	Description	Price
E18400	DataTrac Electronic Hub Acre Meter (Specify Size)	$119.95
E18200	Mechanical Hub Acre Meter (Specify Size)	$149.95

Micro-Trak's Roadway Monitors

RoadMaster Roadway Maintenance Rate Control

Four Operating Modes.	Select either English or Metric units. Provides ease of use for various applications, including highway maintenance, roadside spraying, dust control, airport maintenance, or turf maintenance.
Built-In VRA/AVL Communications.	Variable rate application capability allows rate control or data logging via external device.
Extensive Downloadable Date List.	Three data sets include volume, area, distance, average/highest velocity PLUS start time/date stamps.
Blast Switch	Allows pre-settable, high-rate timed application of product on bridge decks, intersections, etc. Blast can also be initiated by optional external switch or optional wireless remote.
Keylock Switch.	Supervisor lockout switch prevents unauthorized changes to calibration settings or data counters.
Built-in Audible Alarm.	Alerts operator to rate errors +/- 10% Low Tank Level or Empty Tank (if using Optional Tank Switch).
Emergency Stop.	Automatically shuts down automatic operation if flow signal is lost.

Order No.	Description	Price
MTR-01590	(01590) RoadMaster Console Kit	$1,100.95
E11562	(01531) Hall-Effect Wheel Speed Sensor Kit	$180.95
MTR-01565	(01565) 1 ½" Flanged Servo Valve	$295.95
MTR-01514	(01514) FlowMaster 10/100 Flowmeter	$475.95

The RoadMaster is an automatic control system that can help you operate more cost effectively by providing the information you need to maintain proper application rates of liquid de-icer and anti-icing chemicals. It is also suitable for summertime roadside spraying/weed control applications and other turf-care applications.

Includes console, power harness, mounting hardware. Speed and flowmeters sold separately. Can be used with either a GPS or radar speed sensor.

0-30 mph Ground Speed Speed-O-Meter

The Speed-O-Meter performs the functions of five different instruments:

• Speedometer • Hour Meter • Odometer
• Tachometer • Trip Meter

This rugged, easy-to-read instrument panel is designed specificaly for vehicles that either lack desired instrumentation or require greater accuracy for work applications. Kit includes console, Hall-Effect speed sensor, mounting bracket, wiring and installation instructions.

Also available with GPS and radar speed sensors.

Order No.	Description	Price
E25200	(01010) Speed-O-Meter	$325.95

Calc-An-Acre II

CALC-AN-ACRE II is a precision-engineered electronic monitor that directly calculates speed, area worked and distance. The console can be set to read in either English or metric measurements. Measurements are displayed with a one-tenth of a unit accuracy. The eight-position rotary switch is used to display the functions. One-year warranty with a three-year extended warranty option. Can be installed on most types of equipment, including tractors, sprayers, combines, ATV's and trucks.

Kit includes, console, wiring harness, Hall-Effect speed sensor w/20' cable, 6 magnets, and installation instructions.

Also available with GPS and radar speed sensors.

Order No.	Description	Price
E25190	(01000) Calc-An-Acre II with Wheel Sensor	$349.95

Introducing the Astro Series of GPS-Based Speed Sensors from Garmin

Great Price:	About half the cost of a radar sensor
Compact:	2 ¼" diameter, ½" high
Accurate:	Astro II updates signal every second; the Astro 5 updates signal 5 times per second for a quicker response to speed changes
Durable:	Light-weight weather resistant plastic

The Astro GPS Speed Sensors are a direct replacement for magnetic wheel speed sensors or radar guns and can interface to most brands of monitors and controllers. Plugs directly into Micro-Trak base products.

Order No.	GPS Speed Sensor	Price
E11701	(01410) Astro II GPS	$359.95
E11702	(01425) Astro 5 GPS	$459.95

Weather Instruments |

Vantage Pro2 Weather Stations |

Vantage Pro weather stations are available in either wireless or cabled models. Each includes an innovative integrated sensor suite, which combines a rain collector, temperature and humidity sensors, and anemometer all into one package; making setup easier than ever and improving performance and reliability. Wireless integrated sensor suite runs on solar power. It provides enough power to run the station with as little as one hour of sunlight a day. (Solar panel is not included with cabled version.) Temperature and humidity sensors are located inside the radiation shield.

Vantage Pro2 Includes:

Console with AC power adapter, integrated sensor suite with 40' anemometer cable and mounting hardware. Cabled version also includes a 100' cable connecting the console to the sensor suite. Wireless version includes console / receiver plus integrated sensor suite with transmitter, solar panel, 40' anemometer cable, and mounting hardware. Wireless range is up to 1000' outdoors. Typical range through walls under most conditions is 200 to 400' Add wireless repeaters for distances up to 1.7 miles. Console may be powered using the included AC power adapter or with three C batteries (not included). Batteries last up to one year under normal conditions.

Vantage Pro2 Plus Includes:

Same as above, plus pre-installed UV and solar radiation sensors. UV sensor measures the sun burning of the UV Spectrum. Allows you to display UV index, dose rate, and daily and accumulated dose. Solar radiation sensor measures solar radiation and solar energy. Is required (along with an anemometer and a temperature/humidity sensor) if you wish to monitor evapotranspiration.

E86102 (6152C) Cabled Vantage Pro2

E86204 (6162) Wireless Vantage Pro2 Plus

Order No.	Description	Price
E86102	(6152C) Vantage Pro2 Cabled	$495.00
E86104	(6162C) Vantage Pro2 Plus Cabled	$895.00
E86202	(6152) Vantage Pro2 Wireless	$595.00
E86204	(6152) Vantage Pro2 Plus Wireless	$995.00

Weather Wizard III Weather Stations |

Weather Wizard III Station

The Weather Wizard III displays indoor and outdoor weather conditions at the touch of a button. Large display includes compass rose which shows continuously updated wind speed, wind direction, inside and outside temperature and wind chill. Station includes anemometer with 40' cable and external temperature sensor with 25' cable. Cables are connected to the console through a junction box with 8' of cable. Console includes AC power adapter with battery backup.

Weather Wizard III Station Kit

Kit includes the Weather Wizard III Station but features daily and accumulated rainfall as well. The self-emptying tipping bucket rain collector is included.

Order No.	Description	Price
E86020	(7425) Weather Wizard III Station without Rain Collector	$195.00
E86022	(7425CS) Weather Wizard III Kit with Rain Collector	$250.00

GPS

nüvi® 250 On the Road

Features:
- Ultra-slim and compact with a 3 ½" color touch screen
- Pre-loaded with a full Canada/USA Navteq maps
- Lithium-ion battery for portable use
- SD memory card expansion slot
- Turn-by-turn voice guidance with auto route recalculation
- Vehicle mount
- JPEG viewer, currency converter, measurement converter, and calculator

Package Includes:
- nüvi® 250
- Preloaded City Navigator NT for North America or Europe
- Vehicle suction cup mount
- Vehicle power cable
- Dashboard disc
- Setup and go guide

Order No.	Description	Price
E24581	(010-00621-00) nüvi® 250	$275.00

eTrex Legend HCx On the Trail

Features:
- Color display with 256 pixel—sunlight readable
- 20 saved tracks (fields) with 500 waypoints
- Accepts microSD card for MapSource data - not included.
- Route generation with turn-by-turn directions with alert tones

Package Includes:
- Basemap: Americas Recreational
- MapSource Trip & Waypoint Manager CD
- PC/USB interface cable
- Wrist strap, manual, quick reference guide

Order No.	Description	Price
E24560	(010-00629-00) eTrex Legend HCx	$299.00
E24561	(010-10563-00) Cigarette Lighter Adapter	$ 39.00
E24562	(010-10274-00) Automotive Mounting Bracket	$ 29.00

Rhino 520HCx Two-Way Radio

Features:
- 2 mile communication range (14 mile range in the US)
- Turn-by-turn directions
- 256 pixel color display
- Location reporting feature allows you to send and receive GPS positions with other Rino users

Package includes:
- Basemap: Americas Recreational
- Map Source Trip & Waypoint Manager
- A/C Adapter
- PC/USB interface cable
- Wrist Strap and Belt Clip
- Lithium-ion battery pack and charger
- User's Manual & Quick Reference Guide

Order No.	Description	Price
E24575	(010-00564-00) Rino 520HCx	$449.00
E24576	(010-10570-00) Cigarette Lighter Adapter	$ 39.00

Industrial Power Series 24V – 12V Converters |

The Power Of Reliability

These converters are designed to run 12V communications equipment and other 12V accessories in 24V environments, such as trucks, buses and construction equipment. Their small size and low weight makes them easy to install. The Industrial Power Series of 24-12V converters provide you with continuous, trouble-free power. Each converter is designed for high efficiency and long service life. The rugged case and modular design have proven durable in harsh environments. Extra silicone is used for vibration and moisture resistance. Standard features include: easy access mounting holes, a terminal block connector, current limiting, over-voltage protection, fuse protections, and a high surge capacity.

Features

- Vibration Resistant
- Moisture Resistant
- Rugged Case
- Fuse Protection
- No Internal Wiring
- Over-Voltage Protection
- Current Limiting
- Terminal Block Connection
- High Efficiency

Order No.	Description	Amps	L x W x H	Price
E49050	24V – 12V Converter	2.5	5.95" x 3.35" x 1.50"	$149.95
E49051	24V – 12V Converter	5	5.95" x 3.35" x 1.50"	$159.95
E49052	24V – 12V Converter	10	9.49" x 4.06" x 1.77"	$169.95
E49053	24V – 12V Converter	15	9.49" x 4.06" x 1.77"	$215.95
E49054	24V – 12V Converter	20	9.49" x 4.06" x 1.77"	$295.95
E49055	24V – 12V Converter	30	9.49" x 4.06" x 1.77"	$415.95
E49056	24V – 12V Converter	40	9.49" x 4.06" x 1.77"	$515.95

GPI Automatic Fuel Pump |

GPI's M-150S Series electric gear pump is one of the most affordable automatic pumps available. It is portable, installs quickly, and reduces lifting and messy fluid transfer. Designed for mounting on portable, vented tanks, it has a flow rate of 15 gallons per minute (56 lt. per minute). Constructed for low viscosity petroleum fuels such as gasoline, kerosene, and diesel fuel. The pump housing body is made of lightweight, corrosion-resistant, cast aluminum. Comes with a convenient spin collar.

GPI® GREAT PLAINS INDUSTRIES, INC.

Specifications

Input:	12V DC
Conduit:	½" FNPT
Cord:	15' (4.6 m) of 12 ga.
Motor:	1900 rpm permanent magnet
Security:	Nozzle can be padlocked
Temperature:	-20° to +125°F (-29° to +52°C)

Order No.	Description	Price
E97501	Electric Gear Pump	$425.95